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B. Sakakini, N. Dunhill, C. Harendt, B. Steeples and J.C. Vickerman, A study of the adsorption and decomposition of d_4-ethene on model bimetallic Au/Ru(0001) surfaces using SSIMS and EELS 189/190 (1987) 211
M. Abon, J. Massardier, B. Tardy and J.C. Bertolini, $Pt_{50}Ni_{50}$(111) alloy and Pt(111): chemisorptive properties for acetylene and ethylene and catalytic behaviour for the acetylene selective hydrogenation 189/190 (1987) 880

Field evaporation

N. Kruse, G.-K. Chuah, G. Abend, D.L. Cocke and J.H. Block, Decomposition of methanol over Rh and Ru 189/190 (1987) 832

Gallium arsenide

C.M. Bertoni, C. Calandra, C. Mariani and S. Valeri, Adsorption of monovalent metals on the GaAs(110) surface 189/190 (1987) 226
M. Hünermann, W. Pletschen, U. Resch, U. Rettweiler, W. Richter, J. Geurts and P. Lautenschlager, Characterization of UHV prepared Sb overlayers on (110) surfaces of III–V semiconductors 189/190 (1987) 322
P.A. Thiry, M. Liehr, J.J. Pireaux and R. Caudano, Investigation of interfaces by high resolution electron energy loss spectroscopy 189/190 (1987) 373
A.M. Narsale and B.M. Arora, Temperature dependence of C–V and G–V characteristics of native oxide–GaAs interfaces of $\langle\overline{1}\overline{1}\overline{1}\rangle$ and $\langle 100\rangle$ orientations 189/190 (1987) 385
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J.-R. Chen, Y.-C. Chou, C.-S. Fang, S.-I. Lew and C.-J. Huang, Observations on various genres of whisker defect on molecular beam epitaxial grown GaAs films 189/190 (1987) 1094

Gallium phosphide

T. Riesterer, P. Perfetti, M. Tschudy and B. Reihl, Angle-resolved inverse photoemission of GaP(110) 189/190 (1987) 795
S. Selci, A. Cricenti, F. Ciccacci, A.C. Felici, C. Goletti, Zhu Yong and G. Chiarotti, Dielectric functions of Si(111)2 × 1, Ge(111)2 × 1, GaAs(110) and GaP(110) surfaces obtained by polarized surface differential reflectivity 189/190 (1987) 1023
F. Manghi, E. Molinari, R. Del Sole and A. Selloni, Microscopic calculation of differential reflectivity of GaP(110) 189/190 (1987) 1028

Gallium selenide

J.M. Nicholls and J.M. Debever, Conduction band structure of the III–VI layer compound GaSe studied with inverse photoemission 189/190 (1987) 919

Germanium

R. Clauberg, K.H. Frank, J.M. Nicholls and B. Reihl, Direct and inverse surface photoemission: sources of ambiguities near the Fermi level 189/190 (1987) 44
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L. Papagno, L.S. Caputi, D. Frankel, Y. Chen and G.J. Lapeyre, High resolution electron energy loss study of water adsorption on Ge(100) 189/190 (1987) 199
W.-X. Ni, J. Knall and G.V. Hansson, Strain-affected band offsets at $Si/Si_{1-x}Ge_x(100)$ heterojunction interfaces studied with X-ray photoemission 189/190 (1987) 379
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G. Jezequel, P. Thiry, G. Rossi, K. Hricovini and Y. Petroff, Surface melting? 189/190 (1987) 605
S. Selci, A. Cricenti, F. Ciccacci, A.C. Felici, C. Goletti, Zhu Yong and G. Chiarotti, Dielectric functions of Si(111)2 × 1, Ge(111)2 × 1, GaAs(110) and GaP(110) surfaces obtained by polarized surface differential reflectivity 189/190 (1987) 1023
J.S. Pedersen, R. Feidenhans'l, M. Nielsen, K. Kjær, F. Grey and R.L. Johnson, Adsorbate registry and subsurface relaxation of the α-Ge(111)$\sqrt{3} \times \sqrt{3}$-Sn/Pb reconstructions 189/190 (1987) 1047

Gold

K. Wandelt, K. Markert, P. Dolle, A. Jabłonski and J.W. Niemantsverdriet, Microscopic properties of two-dimensional silver and gold metal- and alloy-films on Ru(001) 189/190 (1987) 114
B. Sakakini, N. Dunhill, C. Harendt, B. Steeples and J.C. Vickerman, A study of the adsorption and decomposition of d_4-ethene on model bimetallic Au/Ru(0001) surfaces using SSIMS and EELS 189/190 (1987) 211
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M. De Crescenzi, M. Diociaiuti, L. Lozzi, P. Picozzi and S. Santucci, Local structure of graphite by EELFS spectroscopy: influence of multiple plasmons and orientational dependence 189/190 (1987) 628

R. Schlögl, Modification of the electronic structure of graphite by intercalation, chlorination and ion etching 189/190 (1987) 861
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V. Barone, F. Lelj, C. Minichino, N. Russo and M. Toscano, Cluster model study of the chemisorption of atomic hydrogen on the basal plane of graphite 189/190 (1987) 185
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K. Lenz, B. Poelsema, S.L. Bernasek and G. Comsa, Lateral distribution of coadsorbed H and CO on Pt(111) studied by TEAS 189/190 (1987) 431
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V. Barone, The cluster approach in the study of atomic and molecular chemisorption on silicon 189/190 (1987) 106
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Indium phosphide

M. Dumas, M. Ben Kacem, J.M. Palau and L. Lassabatère, Properties of InP(110) surfaces, InP(110)–Ag interfaces and InP(110)–Ag Schottky diodes. Contribution of the temperature 189/190 (1987) 315
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J.N. Andersen, J. Onsgaard, A. Nilsson, B. Eriksson, E. Zdansky and N. Mårtensson, Some structural aspects of the Yb/Ni(100) interface 189/190 (1987) 399
Th. Fauster, R. Schneider, H. Dürr, G. Engelmann and E. Taglauer, Thermally induced disorder on a Cu(110) surface studied by low-energy ion scattering and inverse photoemission 189/190 (1987) 610

R. Margraf, J. Leyrer, H. Knözinger and E. Taglauer, Study of molybdate dispersion on supported catalysts using ion scattering and Raman spectroscopy 189/190 (1987) 842
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Iron

M. Muhler, R. Schlögl, S. Eder and G. Ertl, Design of a continuous flow microreactor attached to a surface analysis system: first results with an iron oxide based catalyst 189/190 (1987) 69
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P. Habig, R. Riedinger, C. Guillot, D. Chauveau, J. Lecante and H. De Rugy, c(2 × 2) carbidic structure on a monocrystalline FeSi(001) surface studied by angular resolved photoemission 189/190 (1987) 504
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Lanthanides

M. Sancrotti, I. Abbati, A. Rizzi, L. Calliari, F. Marchetti and O. Bisi, Ca-silicides as prototypical systems for modelling the electron states at the Si(111)/Yb interface: a Si $L_{2,3}$VV Auger lineshape investigation 189/190 (1987) 300
J.N. Andersen, J. Onsgaard, A. Nilsson, B. Eriksson, E. Zdansky and N. Mårtensson, Some structural aspects of the Yb/Ni(100) interface 189/190 (1987) 399
A. Stenborg and E. Bauer, Ordered structures of Yb and Sm on a Mo(110) surface 189/190 (1987) 570
L. Schlapbach, J.P. Burger, J.E. Bonnet, P. Thiry and Y. Petroff, Surface semiconductor–metal transition in rare earth hydrides at low temperatures 189/190 (1987) 747

Lead

J.S. Pedersen, R. Feidenhans'l, M. Nielsen, K. Kjær, F. Grey and R.L. Johnson, Adsorbate registry and subsurface relaxation of the α-Ge(111)$\sqrt{3} \times \sqrt{3}$-Sn/Pb reconstructions 189/190 (1987) 1047
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G. Kleinle, M. Skottke, V. Penka, G. Ertl, R.J. Behm and W. Moritz, Mechanistic and energetic aspects of the H-induced (1 × 2) reconstructed structures on Ni(110) and Pd(110) 189/190 (1987) 177
G. Besold, Th. Schaffroth, K. Heinz, G. Schmidt and K. Müller, Structures and transitions of Cs monolayers on Rh(100): LEED study and model calculations 189/190 (1987) 252
F.C.M.J.M. van Delft, M.J. Koster van Groos, R.A.G. de Graaff, A.D. van Langeveld and B.E. Nieuwenhuys, Determination of surface Debye temperatures by LEED 189/190 (1987) 695
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D.T. Pierce, Experimental studies of surface magnetism with polarized electrons 189/190 (1987) 710
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B. Dauth, W. Dürr and S.F. Alvarado, Magnetism at the surface of the Heisenberg ferromagnet EuS 189/190 (1987) 729
M. Stampanoni, D. Pescia, G. Zampieri, G.L. Bona, A. Vaterlaus and F. Meier, Ferromagnetism of thin epitaxial fcc cobalt and fcc iron films on Cu(001) observed by spin-polarized photoemission 189/190 (1987) 736
T. Wahnström and A. Rosén, Ab initio calculations of the electronic structure and effective magnetic moment of Nb_4 189/190 (1987) 788

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J.C. Vickerman, Static SIMS – a technique for surface chemical characterisation in basic and applied surface science 189/190 (1987) 7
S.Ossicini, F. Finocchi and C.M. Bertoni, Electron density profiles at charged metal surfaces in the weighted density approximation 189/190 (1987) 776

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A. Berkó, T.I. Tarnóczi and F. Solymosi, Interaction of CH_3OH with K-dosed Rh(111) surfaces 189/190 (1987) 238
N. Kruse, G.-K. Chuah, G. Abend, D.L. Cocke and J.H. Block, Decomposition of methanol over Rh and Ru 189/190 (1987) 832

Molecular beam studies

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G. Brusdeylins, G. Drolshagen, A. Kaufhold, J. Skofronick and J.P. Toennies, Determination of the potential for simultaneous rotational excitation and diffraction in scattering of D_2 from LiF(001) 189/190 (1987) 972

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M.-L. Ernst-Vidalis, M. Kamaratos and C. Papageorgopoulos, The effects of Cs on the adsorption of H_2 on Mo(110) 189/190 (1987) 276
A. Stenborg and E. Bauer, Ordered structures of Yb and Sm on a Mo(110) surface 189/190 (1987) 570
M. Erbudak, F. Vanini, D. Sulmoni and P. Aebi, Elementary and many-body excitations on surfaces of metals at the beginning of the 4d-series investigated in EELS 189/190 (1987) 771
A. Katrib, C. Petit, P. Légaré, L. Hilaire and G. Maire, An investigation of metal–support interaction in bimetallic Pt–Mo catalysts deposited on silica and alumina 189/190 (1987) 886

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R. Margraf, J. Leyrer, H. Knözinger and E. Taglauer, Study of molybdate dispersion on supported catalysts using ion scattering and Raman spectroscopy 189/190 (1987) 842

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D. Pescia, R.F. Willis and J.A.C. Bland, Magnetic moments of ultrathin films by spin polarized neutron reflection 189/190 (1987) 724

Nickel

R. Clauberg, K.H. Frank, J.M. Nicholls and B. Reihl, Direct and inverse surface photoemission: sources of ambiguities near the Fermi level 189/190 (1987) 44
D. Lovrić, B. Gumhalter, K. Hermann, G. Ertl and K. Wandelt, Effective He* deexcitation energies in Penning ionization spectroscopy of CO adsorbed on Ni 189/190 (1987) 59
P.F.A. Alkemade, S. Deckers, F.H.P.M. Habraken and W.F. van der Weg, Ion beam studies of oxygen exposed Ni(100) 189/190 (1987) 161
G. Kleinle, M. Skottke, V. Penka, G. Ertl, R.J. Behm and W. Moritz, Mechanistic and energetic aspects of the H-induced (1×2) reconstructed structures on Ni(110) and Pd(110) 189/190 (1987) 177
O. Bisi and S. Ossicini, First principle investigation of the electronic properties of silicon–silicide interfaces 189/190 (1987) 285
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D.R. Warburton, G. Thornton, D. Norman, C.H. Richardson, R. McGrath and F. Sette, Determination of sulphur coordination to the two-fold hollow site of Ni(110) using polarisation-dependent SEXAFS 189/190 (1987) 495
C. Benndorf, B. Nieber and B. Krüger, Influence of electronic and geometric structure on the ethylene-oxide adsorption on transition metal surfaces: Ag(110), Cu(110), Ni(111) and Fe(100) 189/190 (1987) 511

W. Schmitt, K.-P. Kämper and G. Güntherodt, The influence of adsorbates on the spin-resolved photoemission of Ni(110) 189/190 (1987) 741

Niobium

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P.A.P. Lindberg, L.I. Johansson, J.B. Lindström and D.S.L. Law, Synchrotron radiation study of the valence band structure of substoichiometric NbC 189/190 (1987) 751
M. Erbudak, F. Vanini, D. Sulmoni and P. Aebi, Elementary and many-body excitations on surfaces of metals at the beginning of the 4d-series investigated in EELS 189/190 (1987) 771
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E.W. Kuipers, M.G. Tenner, M.E.M. Spruit and A.W. Kleyn, Angular and energy distributions of NO scattered from a Ag(111) surface 189/190 (1987) 669

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M. Jurčik-Rajman and S. Vepřek, Corrosion passivation of plasma nitrided iron 189/190 (1987) 221
D. Borgmann, F. Kroninger, P. Steidl and G. Wedler, Dynamics of the transition of N_2 between different adsorption states on Fe 189/190 (1987) 485

Noble gases

K. Wandelt, K. Markert, P. Dolle, A. Jabłonski and J.W. Niemantsverdriet, Microscopic properties of two-dimensional silver and gold metal- and alloy-films on Ru(001) 189/190 (1987) 114
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P. Yannoulis, R. Dudde, K.H. Frank and E.E. Koch, Orientation of aromatic hydrocarbons on metal surfaces as determined by NEXAFS 189/190 (1987) 519

D.L. Seymour, S. Bao, C.F. McConville, M.D. Crapper, D.P. Woodruff and R.G. Jones, A mercaptide intermediate on Cu(111) 189/190 (1987) 529
M. Heming and E. Roduner, Formation and dynamics of a SiO_2-adsorbed radical observed by muon spin rotation 189/190 (1987) 535
N. Vlachopoulos, P. Liska, A.J. McEvoy and M. Grätzel, Efficient spectral sensitisation of polycrystalline titanium dioxide photoelectrons 189/190 (1987) 823
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F.R. Aussenegg, A. Leitner, M.E. Lippitsch, H. Reinisch and M. Riegler, Novel aspects of fluorescence lifetime for molecules positioned close to metal surfaces 189/190 (1987) 935
J. Heidberg, C. Langowski, G. Neubauer and M. Folman, Laser-induced resonant desorption and ablation on ultra-thin carbon films 189/190 (1987) 946
M. Lieberherr, Ch. Fattinger and W. Lukosz, Optical-environment-dependent effects on the fluorescence of submonomolecular dye layers on interfaces 189/190 (1987) 954

Osmium

D.W. Bullett, Clusters and surface processes: electron states in medium-nuclearity transition-metal cluster carbonyls 189/190 (1987) 583

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J.C. Vickerman, Static SIMS – a technique for surface chemical characterisation in basic and applied surface science 189/190 (1987) 7
B.J. Hinch, D.M. Rohlfing, J. Ellis, W. Allison and R.F. Willis, Oxygen adsorption and incorporation on a stepped tungsten (001) surface 189/190 (1987) 120
J. Goschnick, M. Grunze, J. Loboda-Cackovic and J.H. Block, Sticking probability of CO on an oxygen covered Pd(110) surface under reaction conditions 189/190 (1987) 137
P.F.A. Alkemade, S. Deckers, F.H.P.M. Habraken and W.F. van der Weg, Ion beam studies of oxygen exposed Ni(100) 189/190 (1987) 161
C. Palacio, H.J. Mathieu and D. Landolt, In situ oxidation of Cr–10%Mo alloys at room temperature and low oxygen pressures studied by AES, XPS and EELS 189/190 (1987) 168
C. Palacio, J.M. Sanz and J.M. Martínez-Duart, Low energy electron emission and EELS of clean and oxidized zirconium 189/190 (1987) 175
W. Arabczyk, T. Baumann, F. Storbeck, H.J. Müssig and A. Meisel, Interaction between phosphorus and oxygen on the Fe(111) surface 189/190 (1987) 190
C.M. Bertoni, C. Calandra, C. Mariani and S. Valeri, Adsorption of monovalent metals on the GaAs(110) surface 189/190 (1987) 226
E.G. Michel, E.M. Oellig, M.C. Asensio and R. Miranda, Alkali-induced oxidation of silicon 189/190 (1987) 245
E. Bergignat, G. Hollinger and Y. Robach, A study of thermal oxide–InP interfaces 189/190 (1987) 353
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L. Incoccia, A. Balerna, S. Cramm, C. Kunz, F. Senf and I. Storjohann, The adsorption site of oxygen on Si(100) determined by SEXAFS 189/190 (1987) 453
A. Atrei, U. Bardi, G. Rovida, M. Torrini, E. Zanazzi and M. Maglietta, EELFS study of oxygen chemisorption on cobalt 189/190 (1987) 459

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D.L. Seymour and E.B. Pattinson, Electron beam induced effects on oxygen exposed beryllium 189/190 (1987) 1003
F. Vanini, St. Büchler, X. Yu, M. Erbudak, L. Schlapbach and A. Baiker, Effect of oxygen and hydrogen on the surface segregation of amorphous and crystalline Zr alloys 189/190 (1987) 1117

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J. Goschnick, M. Grunze, J. Loboda-Cackovic and J.H. Block, Sticking probability of CO on an oxygen covered Pd(110) surface under reaction conditions 189/190 (1987) 137
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M. Pirner, R. Bauer, D. Borgmann and G. Wedler, CO_2 adsorption and reaction on polycrystalline Fe films 189/190 (1987) 147
C. Palacio, H.J. Mathieu and D. Landolt, In situ oxidation of Cr–10%Mo alloys at room temperature and low oxygen pressures studied by AES, XPS and EELS 189/190 (1987) 168

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C.M. Bertoni, C. Calandra, C. Mariani and S. Valeri, Adsorption of monovalent metals on the GaAs(110) surface 189/190 (1987) 226
A. Berkó, T.I. Tarnóczi and F. Solymosi, Interaction of CH_3OH with K-dosed Rh(111) surfaces 189/190 (1987) 238
E.G. Michel, E.M. Oellig, M.C. Asensio and R. Miranda, Alkali-induced oxidation of silicon 189/190 (1987) 245
M. Domke, T. Mandel, C. Laubschat, M. Prietsch and G. Kaindl, Layer resolved photoemission study of the Cs/Si(111)2×1 interface 189/190 (1987) 268
T.A. Nguyen Tan, M. Azizan and J. Derrien, Interfacial reaction between Ta ultrathin films and Si(111) substrate 189/190 (1987) 339
E. Bergignat, G. Hollinger and Y. Robach, A study of thermal oxide–InP interfaces 189/190 (1987) 353
P. Perfetti, The problem of heterojunction band discontinuities 189/190 (1987) 362
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M. Milun, P. Pervan and K. Wandelt, Interaction of oxygen with polycrystalline palladium 189/190 (1987) 466
D. Muller, F. Ringeisen, J.J. Koulmann and D. Bolmont, Reversible process of hydrogen adsorption on Si(111) 189/190 (1987) 472
L.S.O. Johansson, R.I.G. Uhrberg and G.V. Hansson, Electronic structure of the hydrogen chemisorbed Si(100)2×1-H surface: an angle resolved photoemission study 189/190 (1987) 479
P. Habig, R. Riedinger, C. Guillot, D. Chauveau, J. Lecante and H. De Rugy, c(2×2) carbidic structure on a monocrystalline FeSi(001) surface studied by angular resolved photoemission 189/190 (1987) 504
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Y. Jugnet, N.S. Prakash, G. Grenet, Tran Minh Duc and H.C. Poon, New evidence for segregation of Pt on $Pt_{50}Ni_{50}(111)$ alloy surface from forward scattering photoelectron diffraction 189/190 (1987) 649
M. Stampanoni, D. Pescia, G. Zampieri, G.L. Bona, A. Vaterlaus and F. Meier, Ferromagnetism of thin epitaxial fcc cobalt and fcc iron films on Cu(001) observed by spin-polarized photoemission 189/190 (1987) 736
W. Schmitt, K.-P. Kämper and G. Güntherodt, The influence of adsorbates on the spin-resolved photoemission of Ni(110) 189/190 (1987) 741
L. Schlapbach, J.P. Burger, J.E. Bonnet, P. Thiry and Y. Petroff, Surface semiconductor–metal transition in rare earth hydrides at low temperatures 189/190 (1987) 747
P.A.P. Lindberg, L.I. Johansson, J.B. Lindström and D.S.L. Law, Synchrotron radiation study of the valence band structure of substoichiometric NbC 189/190 (1987) 751

P.A.P. Lindberg, P.L. Wincott and L.I. Johansson, Energy band dispersions of $ZrC_{0.92}$(100) studied with angle-resolved photoelectron spectroscopy 189/190 (1987) 761
Y. Jugnet, N.S. Prakash, Tran Minh Duc, H.C. Poon, G. Grenet and J.B. Pendry, Angle resolved photoemission study of surface core states in W(110) 189/190 (1987) 782
R. Schlögl, Modification of the electronic structure of graphite by intercalation, chlorination and ion etching 189/190 (1987) 861
A. Katrib, C. Petit, P. Légaré, L. Hilaire and G. Maire, An investigation of metal–support interaction in bimetallic Pt–Mo catalysts deposited on silica and alumina 189/190 (1987) 886
J. Henz, H. von Känel, M. Ospelt and P. Wachter, Growth of epitaxial ultrathin continuous $CoSi_2$ layers on Si(111) 189/190 (1987) 1055
F. Vanini, St. Büchler, X. Yu, M. Erbudak, L. Schlapbach and A. Baiker, Effect of oxygen and hydrogen on the surface segregation of amorphous and crystalline Zr alloys 189/190 (1987) 1117
A.J. Brunner, P. Oelhafen and H.-J. Güntherodt, Interdiffusion of Si in Pd and Pd_2Si at room temperature 189/190 (1987) 1122

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T. Riesterer, P. Perfetti, M. Tschudy and B. Reihl, Angle-resolved inverse photoemission of GaP(110) 189/190 (1987) 795
J.M. Nicholls and J.M. Debever, Conduction band structure of the III–VI layer compound GaSe studied with inverse photoemission 189/190 (1987) 919
F.R. Aussenegg, A. Leitner, M.E. Lippitsch, H. Reinisch and M. Riegler, Novel aspects of fluorescence lifetime for molecules positioned close to metal surfaces 189/190 (1987) 935
M. Lieberherr, Ch. Fattinger and W. Lukosz, Optical-environment-dependent effects on the fluorescence of submonomolecular dye layers on interfaces 189/190 (1987) 954

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E.G. Michel and S. Ferrer, Inverse photoemission of metal epitaxial growth: evidence for an empty interface state 189/190 (1987) 393
K. Lenz, B. Poelsema, S.L. Bernasek and G. Comsa, Lateral distribution of coadsorbed H and CO on Pt(111) studied by TEAS 189/190 (1987) 431
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B. Hellsing, B. Kasemo, S. Ljungström, A. Rosén and T. Wahnström, Kinetic model and experimental results for H_2O and OH production rates on Pt 189/190 (1987) 851
M. Abon, J. Massardier, B. Tardy and J.C. Bertolini, $Pt_{50}Ni_{50}$(111) alloy and Pt(111): chemisorptive properties for acetylene and ethylene and catalytic behaviour for the acetylene selective hydrogenation 189/190 (1987) 880

A. Katrib, C. Petit, P. Légaré, L. Hilaire and G. Maire, An investigation of metal–support interaction in bimetallic Pt–Mo catalysts deposited on silica and alumina 189/190 (1987) 886
S.L. Beauvais, R.J. Behm, S.-L. Chang, T.S. King, C.G. Olson, P.R. Rape and P.A. Thiel, Reconstruction in a thin film: epitaxial Pt on Pd(100) 189/190 (1987) 1069

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D. Briggs, The impact of surface science on technology 189/190 (1987) 801
J.J. Pireaux, C. Gregoire, M. Vermeersch, P.A. Thiry and R. Caudano, Surface vibrational and structural properties of polymers by HREELS 189/190 (1987) 903
M. Rei Vilar, M. Schott, J.J. Pireaux, C. Grégoire, P.A. Thiry, R. Caudano, A. Lapp, A.M. Botelho do Rego and J. Lopez da Silva, Study of polymer film surfaces by EELS using selectively deuterated polystyrene 189/190 (1987) 927

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M. Hünermann, W. Pletschen, U. Resch, U. Rettweiler, W. Richter, J. Geurts and P. Lautenschlager, Characterization of UHV prepared Sb overlayers on (110) surfaces of III–V semiconductors 189/190 (1987) 322
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A. Chiorino, F. Boccuzzi and G. Ghiotti, Optical studies of phase interaction in Cu/ZnO catalysts 189/190 (1987) 894
S. Selci, A. Cricenti, F. Ciccacci, A.C. Felici, C. Goletti, Zhu Yong and G. Chiarotti, Dielectric functions of Si(111)2 × 1, Ge(111)2 × 1, GaAs(110) and GaP(110) surfaces obtained by polarized surface differential reflectivity 189/190 (1987) 1023
F. Manghi, E. Molinari, R. Del Sole and A. Selloni, Microscopic calculation of differential reflectivity of GaP(110) 189/190 (1987) 1028

Rhodium

A. Berkó, T.I. Tarnóczi and F. Solymosi, Interaction of CH_3OH with K-dosed Rh(111) surfaces 189/190 (1987) 238
G. Besold, Th. Schaffroth, K. Heinz, G. Schmidt and K. Müller, Structures and transitions of Cs monolayers on Rh(100): LEED study and model calculations 189/190 (1987) 252
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B. Sakakini, N. Dunhill, C. Harendt, B. Steeples and J.C. Vickerman, A study of the adsorption and decomposition of d_4-ethene on model bimetallic Au/Ru(0001) surfaces using SSIMS and EELS 189/190 (1987) 211
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B. Sakakini, N. Dunhill, C. Harendt, B. Steeples and J.C. Vickerman, A study of the adsorption and decomposition of d_4-ethene on model bimetallic Au/Ru(0001) surfaces using SSIMS and EELS 189/190 (1987) 211
D. Briggs, The impact of surface science on technology 189/190 (1987) 801

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E.G. Michel, E.M. Oellig, M.C. Asensio and R. Miranda, Alkali-induced oxidation of silicon 189/190 (1987) 245
M. Domke, T. Mandel, C. Laubschat, M. Prietsch and G. Kaindl, Layer resolved photoemission study of the Cs/Si(111)2×1 interface 189/190 (1987) 268
O. Bisi and S. Ossicini, First principle investigation of the electronic properties of silicon–silicide interfaces 189/190 (1987) 285
M. Sancrotti, I. Abbati, A. Rizzi, L. Calliari, F. Marchetti and O. Bisi, Ca-silicides as prototypical systems for modelling the electron states at the Si(111)/Yb interface: a Si $L_{2,3}VV$ Auger lineshape investigation 189/190 (1987) 300
T.A. Nguyen Tan, M. Azizan and J. Derrien, Interfacial reaction between Ta ultrathin films and Si(111) substrate 189/190 (1987) 339
J. Suñé, Y. Placencia, F. Campabadal and X. Aymerich, Characterization of the metal–SiO_2–Si interface roughness by electrical methods 189/190 (1987) 346
P.A. Thiry, M. Liehr, J.J. Pireaux and R. Caudano, Investigation of interfaces by high resolution electron energy loss spectroscopy 189/190 (1987) 373
W.-X. Ni, J. Knall and G.V. Hansson, Strain-affected band offsets at $Si/Si_{1-x}Ge_x(100)$ heterojunction interfaces studied with X-ray photoemission 189/190 (1987) 379

L. Incoccia, A. Balerna, S. Cramm, C. Kunz, F. Senf and I. Storjohann, The adsorption site of oxygen on Si(100) determined by SEXAFS 189/190 (1987) 453
D. Muller, F. Ringeisen, J.J. Koulmann and D. Bolmont, Reversible process of hydrogen adsorption on Si(111) 189/190 (1987) 472
L.S.O. Johansson, R.I.G. Uhrberg and G.V. Hansson, Electronic structure of the hydrogen chemisorbed Si(100)2 × 1-H surface: an angle resolved photoemission study 189/190 (1987) 479
P. Habig, R. Riedinger, C. Guillot, D. Chauveau, J. Lecante and H. De Rugy, c(2 × 2) carbidic structure on a monocrystalline FeSi(001) surface studied by angular resolved photoemission 189/190 (1987) 504
I. Andriamanantenasoa, J.P. Lacharme and C.A. Sébenne, Effect of room-temperature adsorption of Sn on Si(100) surface properties 189/190 (1987) 563
U. del Pennino, M.G. Betti, C. Mariani, C.M. Bertoni, S. Nannarone, I. Abbati, L. Braicovich and A. Rizzi, High resolution electron energy loss investigation of the azimuthal dependence of the Si(111)(2 × 1) surface excitations 189/190 (1987) 689
S. Vepřek, F.-A. Sarott and S. Rambert, Ion impact induced desorption study of the surface of plasma-deposited nanocrystalline silicon 189/190 (1987) 967
S. Selci, A. Cricenti, F. Ciccacci, A.C. Felici, C. Goletti, Zhu Yong and G. Chiarotti, Dielectric functions of Si(111)2 × 1, Ge(111)2 × 1, GaAs(110) and GaP(110) surfaces obtained by polarized surface differential reflectivity 189/190 (1987) 1023
J. Henz, H. von Känel, M. Ospelt and P. Wachter, Growth of epitaxial ultrathin continuous $CoSi_2$ layers on Si(111) 189/190 (1987) 1055
A.J. Brunner, P. Oelhafen and H.-J. Güntherodt, Interdiffusion of Si in Pd and Pd_2Si at room temperature 189/190 (1987) 1122
V.P. Salvi, A.M. Narsale, S.V. Vidwans, A.A. Rangwala, L. Guzman, M. Dapor, G. Giunta, L. Calliari and F. Marchetti, Formation of vanadium silicide by high dose ion implantation 189/190 (1987) 1143

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J. Suñé, Y. Placencia, F. Campabadal and X. Aymerich, Characterization of the metal–SiO_2–Si interface roughness by electrical methods 189/190 (1987) 346
A. Katrib, C. Petit, P. Légaré, L. Hilaire and G. Maire, An investigation of metal–support interaction in bimetallic Pt–Mo catalysts deposited on silica and alumina 189/190 (1987) 886

Silver

J.K. Gimzewski, R. Möller, D.W. Pohl and R.R. Schlittler, Transition from tunneling to point contact investigated by scanning tunneling microscopy and spectroscopy 189/190 (1987) 15
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K. Wandelt, K. Markert, P. Dolle, A. Jabłonski and J.W. Niemantsverdriet, Microscopic properties of two-dimensional silver and gold metal- and alloy-films on Ru(001) 189/190 (1987) 114

M. Dumas, M. Ben Kacem, J.M. Palau and L. Lassabatère, Properties of InP(110) surfaces, InP(110)–Ag interfaces and InP(110)–Ag Schottky diodes. Contribution of the temperature 189/190 (1987) 315
C. Benndorf, B. Nieber and B. Krüger, Influence of electronic and geometric structure on the ethylene-oxide adsorption on transition metal surfaces: Ag(110), Cu(110), Ni(111) and Fe(100) 189/190 (1987) 511
P. Yannoulis, R. Dudde, K.H. Frank and E.E. Koch, Orientation of aromatic hydrocarbons on metal surfaces as determined by NEXAFS 189/190 (1987) 519
A. Morgante, K.C. Prince, G. Paolucci and E. Tosatti, Switching of the Au(110) reconstruction by Ag deposition and alloying 189/190 (1987) 620
M.G. Tenner, M.E.M. Spruit, E.W. Kuipers and A.W. Kleyn, Interferences in the scattering of a poly-chromatic He beam from a stepped surface 189/190 (1987) 656
E.W. Kuipers, M.G. Tenner, M.E.M. Spruit and A.W. Kleyn, Angular and energy distributions of NO scattered from a Ag(111) surface 189/190 (1987) 669
F.R. Aussenegg, A. Leitner, M.E. Lippitsch, H. Reinisch and M. Riegler, Novel aspects of fluorescence lifetime for molecules positioned close to metal surfaces 189/190 (1987) 935
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N. Vlachopoulos, P. Liska, A.J. McEvoy and M. Grätzel, Efficient spectral sensitisation of polycrystalline titanium dioxide photoelectrons 189/190 (1987) 823

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H. Neff, K.Y. Lay, M.S. Su, P. Lange and K.J. Bachmann, Sputter induced near surface elctronic defects in group II–VI compound semiconductor alloys 189/190 (1987) 661
S. Vepřek, F.-A. Sarott and S. Rambert, Ion impact induced desorption study of the surface of plasma-deposited nanocrystalline silicon 189/190 (1987) 967

Steel

J.C. Vickerman, Static SIMS – a technique for surface chemical characterisation in basic and applied surface science 189/190 (1987) 7

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V. Barone, The cluster approach in the study of atomic and molecular chemisorption on silicon 189/190 (1987) 106
R. Franchy, M. Wuttig and H. Ibach, The adsorption of sulfur, carbon monoxide and oxygen on NiAl(111) 189/190 (1987) 438
D.R. Warburton, G. Thornton, D. Norman, C.H. Richardson, R. McGrath and F. Sette, Determination of sulphur coordination to the two-fold hollow site of Ni(110) using polarisation-dependent SEXAFS 189/190 (1987) 495

D.L. Seymour, S. Bao, C.F. McConville, M.D. Crapper, D.P. Woodruff and R.G. Jones, A mercaptide intermediate on Cu(111) 189/190 (1987) 529
W. Schmitt, K.-P. Kämper and G. Güntherodt, The influence of adsorbates on the spin-resolved photoemission of Ni(110) 189/190 (1987) 741

Surface conductivity

D. Borgmann, F. Kroninger, P. Steidl and G. Wedler, Dynamics of the transition of N_2 between different adsorption states on Fe 189/190 (1987) 485
W. Schlemminger and D. Stark, The influence of deposition temperature on the electrical resistance of thin Cu films 189/190 (1987) 1103
D. Stark, Diffusion processes on stepped surfaces of thin metal films: migration of silver adatoms on silver (111) terraces 189/190 (1987) 1111

Surface diffusion

J.J. De Miguel, A. Sánchez, A. Cebollada, J.M. Gallego, J. Ferrón and S. Ferrer, The surface morphology of a growing crystal studied by thermal energy atom scattering (TEAS) 189/190 (1987) 1062
D. Stark, Diffusion processes on stepped surfaces of thin metal films: migration of silver adatoms on silver (111) terraces 189/190 (1987) 1111

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G. Jezequel, P. Thiry, G. Rossi, K. Hricovini and Y. Petroff, Surface melting? 189/190 (1987) 605
A.C. Levi and E. Tosatti, Surface melting or non-melting 189/190 (1987) 641
P. Carnevali, F. Ercolessi and E. Tosatti, Surface melting behaviour of Au(111) 189/190 (1987) 645

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M.S. Tomaš and Z. Lenac, Scattering of surface polaritons by molecules near a metallic slab surface 189/190 (1987) 543
V. Bortolani, A. Franchini and G. Santoro, The phonon frequencies of the (111) surface of Pt: existence of three localized modes 189/190 (1987) 675
C.Z. Wang, E. Tosatti, A. Fasolino and M. Parrinello, Temperature-dependent phonons of the $c(2 \times 2)$ reconstructed W(001) surface 189/190 (1987) 679
G. Bracco, M. D'Avanzo, C. Salvo, R. Tatarek, S. Terreni and F. Tommasini, Observation of acoustic and optical surface phonons in LiF(001) by inelastic He scattering 189/190 (1987) 684
U. del Pennino, M.G. Betti, C. Mariani, C.M. Bertoni, S. Nannarone, I. Abbati, L. Braicovich and A. Rizzi, High resolution electron energy loss investigation of the azimuthal dependence of the Si(111)(2×1) surface excitations 189/190 (1987) 689
F.C.M.J.M. van Delft, M.J. Koster van Groos, R.A.G. de Graaff, A.D. van Langeveld and B.E. Nieuwenhuys, Determination of surface Debye temperatures by LEED 189/190 (1987) 695
R. Reiger, J. Prade, U. Schröder, W. Kress and F.W. de Wette , Relaxation and dynamics of (001) surfaces of $KZnF_3$ and $KMnF_3$ 189/190 (1987) 704

Surface plasmons

M.S. Tomaš and Z. Lenac, Scattering of surface polaritons by molecules near a metallic slab surface 189/190 (1987) 543

Surface segregation

Y. Jugnet, N.S. Prakash, G. Grenet, Tran Minh Duc and H.C. Poon, New evidence for segregation of Pt on $Pt_{50}Ni_{50}$(111) alloy surface from forward scattering photoelectron diffraction 189/190 (1987) 649
F. Vanini, St. Büchler, X. Yu, M. Erbudak, L. Schlapbach and A. Baiker, Effect of oxygen and hydrogen on the surface segregation of amorphous and crystalline Zr alloys 189/190 (1987) 1117
F.C.M.J.M. van Delft, A.D. van Langeveld and B.E. Nieuwenhuys, The temperature dependence of the surface composition of Pt–Rh alloys 189/190 (1987) 1129
S. Mukherjee and J.L. Morán-López, Surface segregation in transition-metal alloys and in bimetallic alloy clusters 189/190 (1987) 1135

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R. Clauberg, K.H. Frank, J.M. Nicholls and B. Reihl, Direct and inverse surface photoemission: sources of ambiguities near the Fermi level 189/190 (1987) 44
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T. Riesterer, P. Perfetti, M. Tschudy and B. Reihl, Angle-resolved inverse photoemission of GaP(110) 189/190 (1987) 795
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G. Kleinle, M. Skottke, V. Penka, G. Ertl, R.J. Behm and W. Moritz, Mechanistic and energetic aspects of the H-induced (1×2) reconstructed structures on Ni(110) and Pd(110) 189/190 (1987) 177
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A. Morgante, K.C. Prince, G. Paolucci and E. Tosatti, Switching of the Au(110) reconstruction by Ag deposition and alloying 189/190 (1987) 620
F. Ercolessi, A. Bartolini, M. Garofalo, M. Parrinello and E. Tosatti, Au surface reconstructions in the glue model 189/190 (1987) 636

J.S. Pedersen, R. Feidenhans'l, M. Nielsen, K. Kjær, F. Grey and R.L. Johnson, Adsorbate registry and subsurface relaxation of the α-Ge(111)$\sqrt{3} \times \sqrt{3}$-Sn/Pb reconstructions 189/190 (1987) 1047

Surface thermodynamics

G. Besold, Th. Schaffroth, K. Heinz, G. Schmidt and K. Müller, Structures and transitions of Cs monolayers on Rh(100): LEED study and model calculations 189/190 (1987) 252
H. Freimuth, H. Wiechert and H.J. Lauter, The commensurate–incommensurate transition of hydrogen monolayers physisorbed on graphite 189/190 (1987) 548

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M. Abon, J. Massardier, B. Tardy and J.C. Bertolini, $Pt_{50}Ni_{50}$(111) alloy and Pt(111): chemisorptive properties for acetylene and ethylene and catalytic behaviour for the acetylene selective hydrogenation 189/190 (1987) 880

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S.L. Beauvais, R.J. Behm, S.-L. Chang, T.S. King, C.G. Olson, P.R. Rape and P.A. Thiel, Reconstruction in a thin film: epitaxial Pt on Pd(100) 189/190 (1987) 1069
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N. Vlachopoulos, P. Liska, A.J. McEvoy and M. Grätzel, Efficient spectral sensitisation of polycrystalline titanium dioxide photoelectrons 189/190 (1987) 823

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Y. Jugnet, N.S. Prakash, Tran Minh Duc, H.C. Poon, G. Grenet and J.B. Pendry, Angle resolved photoemission study of surface core states in W(110) 189/190 (1987) 782

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J.K. Gimzewski, R. Möller, D.W. Pohl and R.R. Schlittler, Transition from tunneling to point contact investigated by scanning tunneling microscopy and spectroscopy 189/190 (1987) 15

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Vanadium

V.P. Salvi, A.M. Narsale, S.V. Vidwans, A.A. Rangwala, L. Guzman, M. Dapor, G. Giunta, L. Calliari and F. Marchetti, Formation of vanadium silicide by high dose ion implantation 189/190 (1987) 1143

Water

V. Barone, The cluster approach in the study of atomic and molecular chemisorption on silicon 189/190 (1987) 106

L. Papagno, L.S. Caputi, D. Frankel, Y. Chen and G.J. Lapeyre, High resolution electron energy loss study of water adsorption on Ge(100) 189/190 (1987) 199

H.J. Kuhr and W. Ranke, Adsorption of H_2S and H_2O on a cylindrical Ge sample 189/190 (1987) 420

B. Hellsing, B. Kasemo, S. Ljungström, A. Rosén and T. Wahnström, Kinetic model and experimental results for H_2O and OH production rates on Pt 189/190 (1987) 851

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C.-S. Fang, J.-R. Chen and C.E. Maloney, Surface studies of platinum- and niobium-coated impregnated tungsten cathodes 189/190 (1987) 80
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M.-L. Ernst-Vidalis, M. Kamaratos and C. Papageorgopoulos, The effects of Cs on the adsorption of H_2 on Mo(110) 189/190 (1987) 276
T.A. Nguyen Tan, M. Azizan and J. Derrien, Interfacial reaction between Ta ultrathin films and Si(111) substrate 189/190 (1987) 339
D. Borgmann, F. Kroninger, P. Steidl and G. Wedler, Dynamics of the transition of N_2 between different adsorption states on Fe 189/190 (1987) 485
C. Benndorf, B. Nieber and B. Krüger, Influence of electronic and geometric structure on the ethylene-oxide adsorption on transition metal surfaces: Ag(110), Cu(110), Ni(111) and Fe(100) 189/190 (1987) 511
I. Andriamanantenasoa, J.P. Lacharme and C.A. Sébenne, Effect of room-temperature adsorption of Sn on Si(100) surface properties 189/190 (1987) 563
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D.R. Warburton, G. Thornton, D. Norman, C.H. Richardson, R. McGrath and F. Sette, Determination of sulphur coordination to the two-fold hollow site of Ni(110) using polarisation-dependent SEXAFS 189/190 (1987) 495
P. Yannoulis, R. Dudde, K.H. Frank and E.E. Koch, Orientation of aromatic hydrocarbons on metal surfaces as determined by NEXAFS 189/190 (1987) 519
D.L. Seymour, S. Bao, C.F. McConville, M.D. Crapper, D.P. Woodruff and R.G. Jones, A mercaptide intermediate on Cu(111) 189/190 (1987) 529

X-ray diffraction

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A. Chiorino, F. Boccuzzi and G. Ghiotti, Optical studies of phase interaction in Cu/ZnO catalysts 189/190 (1987) 894

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G.P. Srivastava and A.C. Ferraz, The electronic band structure of $(GaAs)_n(AlAs)_n$ and $(GaAs)_n(ZnSe)_n$ superlattices 189/190 (1987) 913

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